IN THE CLAIMS

Please amend the claims as follows:

1. **(Cancelled)**

2. **(Currently Amended)** A method of presenting ~~expressing~~ an antigenic peptide ~~molecule~~ on the surface of a viable cancer cell, said method comprising:

contacting said cancer cell with ~~a~~ said antigenic peptide ~~molecule~~ and with a photosensitizing agent, wherein said peptide ~~molecule~~ and said agent are each taken up into an intracellular membrane-restricted compartment of said cell;

irradiating said cell with light of a wavelength effective to activate the photosensitizing agent, such that the membrane of said intracellular compartment is disrupted, releasing said peptide ~~molecule~~ into the cytosol of the cell, without killing the cell;

wherein, said released antigenic peptide ~~molecule~~, or a part thereof of sufficient size to generate a cytotoxic T cell response~~an immune response~~, is subsequently presented on the surface of said cell by a class I ~~or II~~ MHC molecule;

wherein presentation of the antigenic peptide ~~molecule~~, or part thereof, on the surface of said cell results in cytotoxic T cell mediated cell killing ~~stimulation of an immune response~~; and

wherein the photosensitizing agent is selected from the group consisting of a porphyrin, phthalocyanine~~, purpurin,~~ and a chlorin~~, benzoporphyrin, naphthalocyanine, cationic dye, and tetracycline~~.

3. **(Cancelled)**

4. **(Currently Amended)** The method of claim 2, wherein the antigenic peptide ~~molecule~~ is a vaccine antigen or vaccine component.

5. **(Cancelled)**

6. **(Cancelled)**

7. **(Cancelled)**

8. **(Previously Presented)** The method of claim 2 wherein the photosensitizing agent is meso-tetraphenylporphine with 4 sulfonate groups ($TPPS_4$), meso-tetraphenylporphine with 2 sulfonate groups on adjacent phenyl rings ($TPPS_{2a}$), or aluminum phthalocyanine with 2 sulfonate groups on adjacent phenyl rings ($AlPcS_{2a}$).

9. **(Currently Amended)** The method of claim 2, wherein the antigenic peptide ~~molecule~~ and/or photosensitizing agent is bound to one or more targeting agents or carrier molecules.

10. **(Previously Presented)** The method of claim 2, wherein said method is carried out *in vitro* or *in vivo*.

11-21. **(Cancelled)**.

22. **(Cancelled)**

23. **(Cancelled)**

24. **(Currently Amended)** A method of presenting ~~expressing~~ an antigenic peptide ~~molecule~~ or a part thereof on the surface of a viable antigen presenting cell, said method comprising:

contacting said cell with the antigenic peptide ~~molecule~~ and with a photosensitizing agent, wherein said peptide ~~molecule~~ and said agent are each taken up into an intracellular membrane-restricted compartment of said cell;

irradiating said cell with light of a wavelength effective to activate the photosensitizing agent, such that the membrane of said intracellular compartment is disrupted, releasing said peptide ~~molecule~~ into the cytosol of the cell, without killing the cell;

wherein, said released peptide ~~molecule~~, or a part thereof of sufficient size to generate an immune response, is subsequently presented on the surface of said cell by a class I or II MHC molecule;

wherein presentation of the peptide ~~molecule~~, or part thereof, on the surface of said cell results in stimulation of an immune response; and

wherein the photosensitizing agent is selected from the group consisting of a meso-tetraphenylporphine with 4 sulfonate groups ($TPPS_4$), meso-tetraphenylporphine with 2 sulfonate groups on adjacent phenyl rings ($TPPS_{2a}$), or aluminum phthalocyanine with 2 sulfonate groups on adjacent phenyl rings ($AlPcS_{2a}$).

25. **(Previously Presented)** The method of claim 24, wherein the antigen presenting cell is selected from the group consisting of a lymphocyte, dendritic cell, macrophage and cancer cell.

26. **(Currently Amended)** The method of claim 24, wherein the antigenic peptide ~~molecule~~ and/or photosensitizing agent is bound to one or more targeting agents or carrier molecules.

27. **(Previously Presented)** The method of claim 24, wherein said method is carried out *in vitro* or *in vivo*.

28. **(Previously Presented)** The method of claim 2, wherein at least 90% of the cells are not killed.

29. **(Previously Presented)** The method of claim 2, wherein at least 95% of the cells are not killed.

30. **(New)** The method of claim 2, wherein the photosensitizing agent is a sulfonated tetraphenylporphine, a disulfonated aluminum phthalocyanine or a tetrasulfonated aluminum phthalocyanine.

31. **(New)** The method of claim 2, wherein said contacting and said irradiating steps are carried out *ex vivo*.

32. **(New)** The method of claim 31, further comprising administering the cells to a mammal after said irradiating step.

33. **(New)** The method of claim 24, wherein said contacting and said irradiating steps are carried out *ex vivo*.

34. **(New)** The method of claim 33, further comprising administering the cells to a mammal after said irradiating step.